

# AGENCY LEADERSHIP

# HHRA Staff Expertise

## Education Level

Table 1

Highest Level Degree Obtained	Number
Bachelor of Science	2
Master of Arts	1
Master of Engineering	1
Master of Health Sciences	1
Master of Public Health	5
Master of Science	13
Doctor of Medicine	1
Doctor of Philosophy	73
Doctor of Science	5
Doctor of Veterinary Medicine	3
Total	105

Includes 34 Post Doctoral Fellows

## Educational Training

Table 2

Field of Study	Number
Anatomy	1
Biology	3
Biostatistics/Mathematics/Statistics	5
Chemistry/Biochemistry	6
Developmental Biology	2
Ecology	4
Endocrinology	1
Engineering	6
Environmental and Forest Biology	1
Environmental and Occupational Hygiene	1
Environmental Health Science	15
Epidemiology	7
Experimental Psychology	1
Geography	1
Medical Doctor	1
Meteorology	1
Microbiology	2
Molecular Biology	4
Neurobiology	1
Oceanography	2
Oral Biology	1
Pathology	2
Pharmacology	2
Physics	3
Physiology	2
Toxicology	
• Environmental Health	8
• Inhalation	1
• General	14
• Genetic	1
• Pharmaceutical	1
Veterinary Medicine	3
Zoology/Animal Science	3
Total	106

## Area/Field of Work

Table 3

Area/Field of Work	Number
Environmental Engineer	3
Environ. Health Scientist/Risk Assessment	36
Epidemiology	8
Geology	2
Management	4
Microbiology	1
Physiology	6
Research Scientist	3
Statistics	7
Toxicology Includes 16 DABT	31

**ADVICE and ASSISTANCE**

**Agency-Wide and ORD**

## SCIENTIFIC LEADERSHIP AGENCY WIDE

Table 4

Advise and Assistance
Assisted in Review and Development of Agency Risk and Technology Reviews- Group I (8 Source categories)- Workgroup member
Assisted in Review and Development of Agency Risk and Technology Reviews- Group II (22 Source categories)- Workgroup member
Assisted in Review and Development of Agency Risk and Technology Reviews- Group III (4 Source categories)- Workgroup member
Facilitated Preparation of ATSDR/EPA CERCLA Priority List of Hazardous Substances for Agency Testing Rule under TSCA
Steering Committee Members for Agency Action Plan Asbestos- Development of Action Plan and IG Report on Asbestos
Member and Lead on Risk Assessment Projects/Activities on Agency Science Policy Subcommittee and Technical Workgroup on Asbestos
Lead for Development of Cancer Assessment Agency LA Amphibole Research Project Steering Committee
Co-Author and Workgroup Member - Agency White on Nanotechnology Research Needs
Developed Provisional Assessments on Platinum and Cerium Agency Diesel Fuel Additives Rule
Lead Author for Development of Chapters on Health Effects and Environmental Assessment of Fuel Options for Agency Report to Congress on Fuel Additives
Workgroup Member for Development of Agency Non-Road Diesel Rule
Lead on Development of Integrated Science Assessment supporting OAR Staff Papers and Standards Agency NAAQS for PM, Ozone, Lead and CO- workgroup member
Workgroup Member and Contributor to Analysis of Epidemiologic and Reproductive Studies and Fetal Loss Analysis for Agency Stage 2 Disinfectant By-Product Rule (DBP)
Contributed to Dose-Response and Benefits Analysis for Reduced Microbial Risks for Agency Long-Term Enhance Surface Water Treatment Rule (LTSWTR II)
Workgroup Member and Contributor to Dose-Response analysis of Microbial Risks and Estimates of Disease Burden and Benefits Analysis for Agency Groundwater Rule
Workgroup Member on Agency Lead Renovation and Remodeling Rule, Contributed to Design of Monitoring and Removal Studies and Exposure Analysis
Agency HON Residual Risk Rules; Development and Review of Rules
Workgroup member on Agency Guidance on Small Drinking Water System Variance; Contributed to Development of Guidance
Workgroup Member and Contributor to the Development of Listing and Regulatory Determination of Drinking Water Rule for CCL2
Workgroup Member and Contributor to the Development of Agency Guidance for Selecting Candidates for Drinking Water CCL3 and Future Rules
Agency Mobile Source Air Toxics Rule (MSAT)- Workgroup members assisted in development and review of rule
Co- Sponsor and Speaker at Agency-State-Tribal Risk Assessment Workshop; Provided on Update of MTBE Assessment and Issues.
Co-Organizer and Co- Chair of Agency Wide Dose-Response Modeling Workshop
Co- organizer and Session Chairs for Agency GAM Related Statistical Issues in PM Epidemiology Workshop

Organizer and Co chair of Agency Ozone Epidemiology Authors Workshop for Preparation of the Ozone ACQD
Co Chair of Technical Workgroup of Agency Risk Assessment Forum Workgroup on Point of Departure in Benchmark Dose Modeling
Member of Agency Workgroup on Use of Human Studies in Risk Assessment and Rulemaking
Organize Agency Workshop on Microbial Risk Assessment
Co- Chair of Risk Assessment Forum Workshop on Updating Exposure Assessment Guidelines
Member of Superfund Risk Assessment Inhalation Guidance Workgroup
Organizer of Agency Workshop on Interpretation of Epidemiologic Studies of Multipollutant Exposure and Health Effects
Presenter- Plenary Session at Agency Workshop on Research and Risk Assessment for Arsenic Inorganic- Arsenic Mode of Action Issues
Co-Chair of Risk Assessment Forum's Genomics Training Steering Committee
Session Chair for Workshop on Assessment of Health Science for the Review of the NAAQS for Nitrogen and Sulfur Oxides; SO <sub>x</sub> Scientific Evidence – Epidemiology Session
Organizer and Presenter Workshop on Issues Related to the Development of an Exposures Factors Handbook for the Aging
Chair Plenary Session for Risk Assessment Forum Workshop on Challenges to Integrating Immunotoxicological and Microbial Risk Assessment for Susceptible Populations and Lifestages
Co-authors and Technical Workgroup Leads for Agency Revised Guidelines for Carcinogen Risk Assessment and Supplemental Guidance for Assessing Susceptibility from Early-life Exposures to Carcinogens-



## Scientific Leadership Across Programs and Regions

Table 5

Advise And Assistance	
OAR	Consultations and Presentations for CASAC Review of NAAQS Staff Papers
OAR	Briefing and Consultations on Energy Act Studies and Oxygenates
OAR	Consultation and Assistance in Evaluation of Diesel Fuel Additives
OAR	Consultation and Review of Great Waters Report
OAR	Consultation and Assistance in Preparation of Delisting for Diesel
OAR	Development and Refinement of New and Existing Models for Deposition and Clearance of PM
OAR	Conducted Workshop on Generalized Additive Modeling to Characterize and Develop Alternative Methods Associated with Statistical Analysis of Time Series Epidemiologic Data
OAR	Consultation and Analysis of Ozone Mortality Benefits Analysis- NCEA staff provided clarification of the nature of the meta-analyses from which quantitative estimates have been derived for OAQPS NAS briefing
OAR	Collaboration on Development of white paper discussing various aspects of diesel exhaust exposure hazards both from a health and economic impact basis perspective
OECA	Support for Katrina Clean Up – Development of Draft Document on the Risk Assessment of Emissions from the ADC and Grinder
OEI	Reviewer for WHO/IPCS Guidance Document on Data Quality in Chemical Exposure Assessment
OSWER	Briefings and presentations Annual Regional Risk Assessors Meeting
OSWER	Participation in OSWER/ORD Seminar Series
OSWER	Conducted Technical Review Workshop on Asbestos and Development of Inhalation Unit Risks for Site Specific Scenarios
OSWER	Co- Authors Site Assessment Framework
OSWER	Co-authors Chemical Emergency Preparedness Report
OSWER	Member of PCB Guidance Team and Co-author
OSWER	Development of Alternative Estimates of Cancer Potency for Asbestos
OSWER	Development of an interagency agreement with NIOSH for Libby Tox research on Asbestos to Support OSWER Site assessment
OSWER	Development of Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities
OSWER	Risk Assessment Teleconferences- monthly calls to provide guidance on Risk Assessment Issues
OPPTS/OSWER	Leader and Facilitator of workgroup to complete Revisions for DNT Guidelines
OPPTS	Assisted in development of dose-response curves for Arsenic CCA Treated Wood
OPPTS	Assisted in Health Assessment of PFOA ; TSCA Section 4

OPPTS	Consultation and Review of PMN Submissions for Nanotechnology
OPPTS	Assisted in Development of CEC Report- Taking Stock: Chemicals and Children's Health in North America
OPPTS	Assisted in the Development of Lead Communication Materials/Fact Sheets
OPP	Participation in Training and Certification Program for OPP Staff
OPP	Workgroup member on Guidance Document on Determination of the Appropriate FQPA Safety Factor(s) in Tolerance Assessment
OPPT	Consultation and Review of PCP Assessments and Assessment of Impurities- Dioxin/Furans and HCB
OW	Member of Waterborne Disease National Estimate Workgroup
OW	Support and Consultation in Responding to OMB Review of Ground Water Rule
OW	Co-Author of Human Health Methodology for Microbial Risks
OW	Consultation and Technical Support for OW Total Coliform Rule/ Distribution System (TCR/DS) Stakeholders Technical Workgroup.
OW	Member of Risk Assessment Subgroup for OW TCR/DS
OW	Review of Exposure Assessment Technical Support Document for DW
OW	Conducted Analysis of Existing Data on DBP Related Reproductive Effects in MA to Support Stage 2 DBP Benefits Analysis
OW	Review and Analysis of Process for Developing CCL3 and Future Listings
OW/Region 1	Collaboration on Pilot Study of Waterborne Infections in MA
OW/Region2	Assisted in Assessing Risk Associated with exposures to Lead in Washington DC DW
Region 3	Review of Montgomery County RRF Health Risk Assessment
Region 4	Consultation on Revision of Dioxin in Soil Policy
Region 5	Analysis of Animal Testing Data for DDT Derivatives in DW
Region 5	Review and Consultation on Workplan for the Tittabawassee River and Floodplain RIA
Region 6	Development of Recommendation for LA Grinding Pilot
Region 8	Development of Site Specific RfC
Region 8	Technical Assistance and Support for the Development of Report on Health Effects of Unique Fiber Morphologies – Libby MT
Region 9	Consultation on Application of the Unit Risk to Less than Lifetime Exposures and Atypical Mineral Fibers
Region 9	ORD Liaison on Development of RARE Proposal on Biodiesel
Region 9	Members of Experimental Use Definition Workgroup for Biotech
All Regions	Co-Sponsor Regional Superfund and ORD Scientist-Scientist Meeting on Methods for Characterizing and Utilizing PCB Congeners in Risk Assessment and Risk Management

## Scientific Leadership ORD

Table 6

Advise/Assistance
Member Disinfection By-product/Reproductive and Developmental Research Planning Team to identify ORD Future Research Needs
Chaired Workgroup on Uncertainty Factors
Briefing and Presentations to ORD and Program Office Staff Scientists: ORD Contaminated Sediment Seminar Series
IRIS Chemical Managers Seminar Series- Briefing for NCEA, ORD and Program Office Staff on Chemical Specific Issues
Co-chair of Workshop on Issues Involved in Interpretation of Epidemiologic Analyses and Statistical Modeling
Co-Organizer and Co-Chair ORD Scientist to Scientist Workshop on Use of Oxidative Stress Research in Human Health Risk Assessment
Member of ORD MOA Workgroup to Identify Research and Research Needs for Risk Assessment and Implementation of MOA Information Risk Assessment.
Co-chair ORD Workgroup on Point of Departure
Contribute to Development and Relevancy Review of NCER STAR Grants for DW, Air, SP2 and Land Programs
Contributed to Development and Review of SMART-e Risk Assessment Tool for ORD Brownfield Program
Beta Tested ORD's Homeland Security Risk Assessment Tool
Co-Chaired Scientists-to Scientists Meeting on DBP Mixtures and 4 Lab Study
Contributing Members of ORD RCTs for Drinking Water, Pesticides and Toxics, Air, Human Health and Land Programs
Co-Authors and Workgroup Members for Development of ORD Nanomaterials Research Strategy
Co-Authors/ Collaborators on ORD MYPs for Drinking Water, Land and Human Health Research, PM and Air Toxics
Steering Committee Member, ORD's National Exposure Research Laboratory Air Research Implementation Team
Training ORD Staff Scientist on Bench Mark Dose Software
Identification of Research Needs for Intramural Research Programs NHEERL, NERL and NCCT

# **Honors and Awards**

## **Agency Wide and ORD**

## Summary of EPA Awards and Honors (2002-2007\*)

Table 7

Title	Number
Bronze	64
Silver	9
Gold	5
S Award (Superior Accomplishment Recognition Award)/ Performance Awards	82
Scientific and Technological Achievement Award : Level I	5
Scientific and Technological Achievement Award Level II	3
Scientific and Technological Achievement Award Level III	7
Scientific and Technological Achievement Award- Honorable Mentions	6
President's Award for Meritorious Service	3
Administrator's Award for Excellence	5
Quality Step Increase Award	26
Exceptional/Outstanding Service Award	7
ORD Science Communication Award	3
OW Splash Award	1
OW Team of the Quarter Award	3
NHEERL Award for Outstanding Leadership	1
Total	230

\* Selected Individual and Team Awards

## Agency Gold, Silver and Bronze Awards 2002-2007

Table 8

Award	Purpose of Award	Year
Silver	Development of Supplementary Guidance for Conducting Health Risk Assessment of Chemical Mixtures	2002
Bronze	Commendable Service, Litigating Challenges to National Ambient Air Quality Standards	2002
Bronze	Commendable Service, Support to ORD in the Development of Air Toxics MYP	2002
Bronze	Commendable service to OPP for Completion of the FQPA 10X Guidance Document - OPP Award	2002
Gold	Outstanding Service Completion of Environmental Justice Program Project	2003
Bronze	Commendable Service: Contributions to the Voluntary Children's Chemical Evaluation Program –OPP Award	2003
Bronze	Commendable Performance, for Columbia Recovery Project.	2003
Bronze	ORD Computational Toxicology Team	2003
Bronze	For Contributions and Authorship of Risk Assessment Forum Report on the "RfD/RfC Process"	2003
Bronze	EPA Team Honor Award for the Scientific Expertise, Leadership and Organizational Skill Required to Create the Agency's First Guidance on Selecting Assessment Endpoints for Risk Assessment.	2004
Bronze	Commendable Service to OAR/OAQPS in the Development of the Strategy for Performing Residual Risk Assessments.	
Bronze	Development of Health Risk Assessment for Boron and Compounds	2004.
Bronze	Exceptional Service for Significant Achievements in Working with Program Offices to Promote the Use of Strong Science in Agency Decisions.	2004
Bonze	Communication Award: Short Course on Methods and Guidance for Health Risk Assessment of Chemical Mixtures.	2004.

Bronze	Particulate Matter Air Quality Criteria Document Team- Development of AQCD for PM in Support of OAR/OAQPS NAQQS	2004
Bronze	ORD Five-year PM Accomplishments Team	2004
Bronze	Trichloroethylene Risk Assessment Team,	2004
Bronze	Commendable Service by ORD Biosolids Action Team in Support of Office of Water	2004
Bronze	Commendable Service in the IRIS Reforms Implementation Steering Committee	2004
Bronze	Commendable Service EPA PBPK Team,	2005
Bronze	Support in Evaluation of EGBE Delisting Petition – OAR-OAQPS Award	2005
Bronze	Commendable Service, International Cooperation and Advice to the Teplice Program	2005
Bronze	Trichloroethylene Science Issues Papers, Prepared for the National of Academy Sciences	2005
Bronze	Commendable Service on the PETA TSCA Section 21 Petition Team –OGC Award	2005
Bronze	Exceptional ORD Technical Assistance to OAR/ OAQPS Program Office for the Development of Platinum and Cerium Special Assessments	2005
Silver	Superior Service: Outstanding Contribution to the Development of the Agency's Revised <i>Guidelines for Carcinogen Risk Assessment</i> and the Companion Supplemental Guidance for Assessing Susceptibility from Early-Life Exposure to Carcinogens	2006
Silver	US EPA Diesel Engine Health Assessment	2006
Bronze	Contributions to EPA Report on Approaches for the Application of PBPK Models and Supporting Data in Risk Assessment.	2006
Bronze	Exceptional / Outstanding Technical Assistance to OPP on DMA	2006
Bronze	ORD PBPK Team is Recognized for Preparing Approaches for the Application of Physiologically Based Pharmacokinetic Models and Supporting Data in Risk Assessment	2006

Bronze	Regional Vulnerability Assessment Program. For Outstanding Achievement in Synthesis of Spatial Data and Model Results for Environmental Assessment and Decision-Making.	2006
Bronze	Children Health Risk Assessment (CHRA) Workgroup for Developing a Risk Assessment Resource (ORD)	2006
Gold	Children Health Risk Assessment Team for a Framework for Assessing Health Risks of Environmental Exposures to Children- Agency Wide Award	2007
Gold	Review and Promulgation Team, PM NAAQS- Agency Wide Award	2007
Silver	Outstanding service in Support of Groundwater Rule- Office of Water Award	2007
Bronze	Exceptional Service in Support of the World Trade Center Expert Review Panel	
Bronze	Cumulative Risk Team for the Report: Reducing Uncertainty in Cumulative Risk Assessment fro Drinking Water DBPs by Improving Exposure Estimates	2007
Bronze	Risk and Technology Review Team for Exceptional Service in the Development of the Risk and Technology Review Group 1 Sources Rulemaking	2007
Bronze	ORD Groundwater Review Team in Recognition of the Tremendous Efforts and High Quality Scientific Analysis Provided to Strengthen the Basis for the Agency's Groundwater Rule	2007
Bronze	NCEA –Wa Technical Support Team in Recognition of Outstanding Technical Support for Air Toxic Regulations – Office of Air award	2007



# SCIENTIFIC and TECHNOLOGICAL ACHIEVEMENT AWARDS (STAA) 2002 - 2006

Table 9

NAME	AWARD LEVEL	CITATIONS	Year
Sonawane, Bob	II	Analysis and Critical Review of Literature on Pharmacokinetic Differences in Children/Adults and Their Implications for Risk Assessment of Environmental Agents	2002
Wilson, William	II	A Review Paper That Will Assist in Moving from TSP Measurements to Fine and Coarse PM Measurements	2002
Parker, Jean	I	Evaluation of Metabolism and Organ Toxicity Data to Inform the Characterization of Risk from Perchloroethylene Exposure	2003
Barone, Stan	III	An Important Review of the Ontogeny of Developmental Processes and the Functional Consequences of Developmental Neurotoxic Exposure	2003
Barone, Stan	III	Critical Periods of Vulnerability for the Developing Nervous System: Evidence from Humans and Animal Models	2003
Cleverly, David	III	Extraordinary Achievements in Discovering a Possible Significant Natural Source of Dioxins in the Environment	2003
Troyer , Michael	III	Research Assisting EPA's Interdisciplinary Mission to Protect the Nation's Ecosystems and the Welfare of Its People	2003
Chen, Chao	III	A Significant Contribution to Risk Assessment Methods that Provides a Foundation for Addressing the Cessation Lag Effect which is Essential for Economic Benefit Analysis	2004
Euling, Susan	I	Outstanding Research on Association of Blood Lead Concentration with Pubertal Timing in Girls from National Health and Nutritional Examinations Surveys (NHANES) III (1988-1994)	2004
Hogan, Karen	I	Outstanding Research on Association of Blood Lead Concentration with Pubertal Timing in Girls from National Health and Nutrition Examination Surveys III	2004

		(NHANES III) (1988-1994)	
Manibusan, Mary	II	Use of Mechanism Based SAR in Carcinogenic Potential Ranking of Drinking Water DBP	2004
Sams, Reeder	III	Contributions Leading to a Better Understanding of Particulate Matter (PM) Health Effects Using Animal and Complementary in Vitro Human-Cell Test Systems	2004
Selevan, Sherry	I	Outstanding Research on Association of Blood Lead Concentration with Pubertal Timing in Girls from National Health and Nutrition Examination Surveys (NHANES) III (1988-1994)	2004
Suter, Glenn	III	Promoting Integration of Human Health and Ecological Risk Assessment and Research Through International Collaboration	2004
Mudipalli, Anuradha	I	Arsenic, UV Confounding Interactions: Possible Mode of Action in Skin Carcinogenesis	2006

# LEADERSHIP EXTERNAL TO EPA

**ADVICE and ASSISTANCE**

**External to EPA**

## Scientific Leadership National and International

Table 10

Advise and Assistance
Organized U.S. EPA's 2006 Science Forum: Your Health, Your Environment, Your Future. In cooperation with the Centers for Disease Control and Prevention (CDC), the Agency for Toxic Substances and Disease Research (ATSDR), and the National Institute of Environmental Health Sciences (NIEHS)
Co-sponsor and Organize Annual Toxicology and Risk Assessment Conferences In cooperation with Dept of Defense Tri-Services, NIOSH, ATSDR and NCT.
Co-sponsored Workshop and Developed Case Study on Use of Toxicogenomics Data in Risk Assessment for a Chemical in the Androgen-Mediated Male Reproductive Development Toxicity Pathway
Co-Chair Performance Assessment Group reviewing a CxT protocol for possible inclusion in Test Guideline 403
Organized "Workshop on Comprehensive Environmental Assessment: Reformulated Gasoline Options
Member EPA/CDC Research Group on Interpretation of Immunotoxicity Data for Children's Risk Assessment
Organize workshop on <i>Acute Chemical Exposure Guidelines</i> for the Toxicology and Risk Assessment Conference
Proposed, organized, coordinated and chaired, Exposure Factors Program Colloquium.
Organize Workshops on Methods and Guidance on Health Risk Assessment of Chemical Mixtures. Toxicology and Risk Assessment Conferences.
Presentation on Overview of Office of Research and Development children's health research program for <i>Children's Environmental Health Network</i> . Washington, DC
Organized Interagency Seminar Series on Expert Elicitation.
Conducted workshop on Use of Toxicogenomics in Risk Assessment
Chaired Workshop on Risk Assessment and Immunotoxicogenomics
Workshop Member Joint EPA/CDC on the National Estimate of Waterborne Disease
Invited Expert and Facilitator, Probabilistic Risk Assessment – Bridging Components Along the Exposure-Dose-Response Continuum.
Speaker: USEPA/NOAA workshop on Emerging Issues in the Atmospheric Chemistry of Nitrogen and Sulfur Oxides. Source receptor relations for personal exposure to NO <sub>2</sub> .
Conducted Study for USGS, Groundwater Tracing Study for Leetown Science Center
Coordinator and co-chair, Roundtable Session, Advances in Health Assessment in USEPA's IRIS Program, Society of Toxicology
Members- Interagency Asbestos Working Group
Organize national workshop on NO <sub>x</sub> ,
Organizer/Lecturer, Training Session on Dioxin Exposure and Risk Assessment Practices at EPA. for FEPAM, Fundação Estadual de Proteção Ambiental, State

Environmental Agency of Rio Grande du Sol, Brazil,
Member, IARC Working Group on the Evaluation of Carcinogenic Risk to Humans: Volume 89 – Smokeless Tobacco and Some Related Nitrosamines
Technical Lead, Development of OECD Guidelines on DNT
Consultation on Asbestos with Japanese Asbestos Research Delegation
Review and Consultation on Health Canada Arsenic in Drinking Water Document
Member of Interagency Risk Assessment Consortium
Committee Member UNEP Stockholm Convention on Persistent Organic Pollutants
President of International Society for Exposure Analysis
Board Member International Program on Chemical Safety (IPSC) WHO Risk Assessment Steering Group for Concise International Chemical Assessment Documents
Councilor To the Board of the Association of Government Toxicologist
Board Member American Board of Toxicology
Lecturer Technical Seminar Series, US Army Center for Health Promotion and Preventive Medicine
Workshop Member US Corp of Engineers for Development of in Silico Biometric Toxicity Sensors for Rapid Testing of Water Resources
Workshop Member on Air Pollution and Health Impacts , Chittaranjan National Cancer Institute, Kokata, India
Member, International Workshop on Good Practices for Physiology Based Pharmacokinetic (PBPK) Modeling, Crete Greece
Member OECD nanotechnology testing workgroup, for development of new or revisions of existing OECD test guidelines for manufactured nanomaterials.
Organized and Chaired Mode of Action Workshop; 37 <sup>th</sup> Annual Environmental Mutagen Society
Member Workgroup for Development of IARC Monographs Vol. 92 on Poly Aromatic Hydrocarbons
Co-Sponsored WHO-IPSC Workshop on Advances in the Uses of Biomarkers in Children and its Implication for Risk Assessment
Chair, International Committee on Environmental Health in Israel
Member SOT Committee on K-12 Education

## University Appointments

Table 11

<b>Name</b>	<b>Position</b>	<b>Institute</b>	<b>Years</b>
Gillian S. Backus	Adjunct Professor	Northern Virginia Community College Dept. of Biology	2007-present
Stan Barone	Adjunct Assistant Professor	East Carolina University, School of Medicine Dept. Anatomy and Cell Biology	1993-2004
Stan Barone	Adjunct Associate Professor	University of North Carolina - Chapel Hill Toxicology Curriculum	2002-present
Thomas F. Bateson	Visiting Faculty	Karolinska Institute Dept. of Medical Epidemiology and Biostatistics	2004
Glinda S. Cooper	Adjunct Assistant Professor	University of North Carolina -Chapel Hill Dept. of Epidemiology	1994-2002
Glinda S. Cooper	Adjunct Associate Professor	University of North Carolina -Chapel Hill Dept of Epidemiology	2003-present
Ila Cote	Adjunct Professor	Duke University School of the Environment and Earth Science	2007-present
Robert DeWoskin	Adjunct Assistant Professor	North Carolina State University, College of Veterinary Medicine Dept. of Population Health and Patho- Biology	2005-present
Andrey Egorov	Adjunct Assistant Professor	Tufts University, School of Medicine, Dept. of Public Health and Family Medicine	2005- present
Malcolm S. Field	Faculty Affiliate	George Mason University Dept. of Chemistry	1994-present
Lynn Flowers	Adjunct Associate Professor	University Of the Sciences-Philadelphia Dept. of Pharmaceutical Sciences	2001-2006
Maureen Gwinn	Lecturer	West Virginia University Dept. of Physiology and Pharmacology	2006-2007
John Lipscomb	Adjunct Associate Professor	University of Cincinnati Dept of Allied Health Sciences	2005-present
John Lipscomb	Adjunct Assistant Professor	Tulane University, School of Public Health and Tropical Medicine Dept. of Environmental Health Sciences	2000-present
Susan Makris	Lecturer	University of Surrey, School of Biomedical and Molecular Sciences, Surrey, UK	2004-present
Debdas Mukerjee	Adjunct Professor	Christian-Albrecht Universität zu Kiel, Germany Institute für Toxikologie	1992-present
Amanda S. Persad	Lecturer	American University Dept. of Biology	2006-present

Joseph Pinto	Adjunct Professor	University of North Carolina Dept. of Environmental Science and Engineering	1991-present
Jon B. Reid	Adjunct Associate Professor	University of Cincinnati, School of Medicine Dept. of Environmental Health	1995-2007
Glenn Rice	Adjunct Associate Professor	University of Cincinnati Dept. of Allied Health Sciences	2005-present
Glenn Rice	Lecturer	University of Cincinnati, School of Medicine Dept. of Environmental Health	2005-present
Paul Schlosser	Adjunct Professor	North Carolina State University Dept. of Mathematics	2003-2008
Patricia Shaw-Allen	Adjunct Associate Professor	University of Cincinnati Dept of Allied Health Sciences	2005-present
Chon Shoaf	Lecturer	University of North Carolina-Chapel Hill Dept. of Environmental Science	1995-present
Michael Troyer	Adjunct Assistant Professor	University of Cincinnati Dept. of Geography	1999-present
William E. Wilson	Adjunct Professor	Un. North Carolina School of Public Health Dept. of Environmental Science and Engineering	1974-present
John J. Vandenberg	Adjunct Professor	Duke University Nicholas School of the Environment and Earth Sciences	1992-present



**Honors and Awards**

**Outside Agency**

## Selected Awards and Honors Outside EPA

Table 12

AWARD	REASON FOR AWARD	YEAR
USDA	Outstanding Professional Service to Under Secretary for National Resources and Environment	2002
U.S. National Park Service	Award for Distinguished Service	2002
U.S. PHS	Outstanding Unit Citation	2002
U.S. PHS	Crisis Response Ribbon	2002
Letters of Appreciation Israel Ministry of the Environment	Outstanding Service as Senior Advisor	2003
National Society of Professional Engineers	Engineer of the Year	2003
NIEHS	Staff Recognition Award	2003; 2004
Society for Environmental Toxicology and Chemistry	Global Founders Award	2004
Society of Pathology (2 Awards)	Young Investor Award	2004
Society of Toxicology; Risk Assessment Specialty Section- (2 Awards)	Ten Top Papers	2004
Duke University- I. Jury Award	Excellence in Research	2005
J. Environ. Science and Technology	Outstanding Scientific Peer Reviewer Award	2005
Office of International Affairs'	Bio-Chemistry Redirect Program Research Award	2005
Society of American Military Engineers-Cummings Award	Readiness and Response Efforts	2005

Society of Toxicology National Student Travel Awards (3 Awards)	Excellence in Risk Assessment Papers/Presentations	2005
92 <sup>nd</sup> Session of the Indian Science Congress	Excellence in Research	2005
American College of Epidemiology- Student Travel Award	Best Paper	2006
Society of Toxicology Taylor and Francis Award	Best Paper	2006
Society of Toxicology- Student Travel Award	Best Paper	2006
Society for Risk Analysis	Elected Fellow	2006
Society for Risk Analysis	Outstanding Risk Practitioner of the Year	2006
University Of North Carolina- Leon Golberg Award	Merit of Presentation	2006
J of Hepatology	Ten Most cited articles	2006
International Conference of Ecotoxicology and Environmental Sciences	Best Paper	2007
National Institute of Health Trainee Award	Presentation at American Society of Andrology	2007

## Membership in Professional Societies

Table 13

Society/Organization
Air and Waste Management Association
Allegheny-Erie Society of Toxicology
American Association for Aerosol Research
American Association for Cancer Research
American Association for the Advancement of Science
American Chemical Society
American College of Epidemiology
American College of Rheumatology
American Geophysical Union
American Industrial Hygiene Association
American Institute of Chemical Engineers
American Physiological Society
American Public Health Association
American Society for Microbiology
American Society for Pharmacology and Experimental Therapeutics
American Society of Civil Engineers
American Statistical Association
American Water Works Association
Association of American Geographers
Association of Environmental Engineering and Science Professors
Association of Government Toxicologists
Association of Rheumatology Health Professionals
Association of Schools of Public Health
Barrier Island Network
Behavioral Toxicology Society
British Cave Research Association
Colorado Environmental Health Association
Ecological Society of America
Endocrine Society and Women in Endocrinology
Engineers Without Borders
Environmental Mutagen Society
Estuarine Research Federation
Federation of American Societies of Experimental Biology
Genetic Toxicology Association
Geological Society of America
Gesellschaft für Aerosolforschung
Institute for Food Technology
International Aerosol Research Assembly

Society/Organization
International Association of Hydrogeologists
International Neurotoxicology Association
International Society for Aerosols in Medicine
International Society for Computational Biology
International Society for Regulatory Toxicology and Pharmacology
International Society of Environmental Epidemiology
International Society of Exposure Analysis
International Society of Polycyclic Aromatic Compounds
Michigan Society of Toxicology
Middle Atlantic Reproduction and Teratology Association
Midwest Teratology Association
National Capital Area Society of Toxicology
Neurobehavioral Teratology Society
New York Academy of Sciences
North Carolina Entomological Society
North Carolina Society for Neuroscience
North Carolina Society of Toxicology
Ohio Valley Society of Toxicology
Risk Assessment and Policy Association
Sigma Xi Scientific Research Society
Society for American Foresters
Society for Epidemiologic Research
Society for Free Radical Biology and Medicine
Society for Risk Analysis
Society for the Study of Reproduction
Society of Environmental Toxicology and Chemistry
Society of Quality Assurance
Society of Toxicology
Society of Women Environmental Professionals
Society of Women+ Engineers
Teratology Society
Wilderness Medical Society
Women in Science

## Members of Editorial Boards and Reviewers

Table 14

JOURNAL	EDITORIAL BOARD	REVIEWER
Aerosol Science and Technology		X
American Journal of Epidemiology	X	X
American Journal of Industrial Medicine		X
American Journal of Respiratory and Critical Care Medicine		X
American Journal of Respiratory Cell and Molecular Biology		X
Annals of Rheumatic Diseases		X
Arthritis and Rheumatism		X
Arthritis, Care and Research		X
Atmospheric Environment		X
Basic and Clinical Pharmacology and Toxicology	X	X
Biochemical Pharmacology		X
Biotechnology and Bioengineering		X
Cancer Epidemiology, Biomarkers and Prevention		X
Carcinogenesis		X
Chemical Research in Toxicology		X
Chemosphere – Global Change Science	X	X
Clinical Cancer Research		X
Ecotoxicology and Environmental Safety		X
Epidemiology		X
Environmental Health Perspectives		X
Environmental Impact Assessment Review		
Environmental and Molecular Mutagenesis	X	X
Environmental Monitoring and Assessment		X
Expert Opinion on Drug Metabolism and Toxicology		X
Exposure Science and Environmental Epidemiology		X
Food Additives and Contaminants		X
Groundwater		X
Human and Ecological Risk Assessment	X	
Inhalation Toxicology		X
IDOJARAS	X	
Journal of Aerosol Medicine		X
Journal of the Air and Waste Management Association		X
Journal of Carcinogenesis		X
Journal of Cave and Karst Studies	X	

Journal of Clinical Epidemiology		X
Journal of Environmental Protection Science		X
Journal of Epidemiology and Community Health		X
Journal of Exposure Analysis and Environmental Epidemiology		X
Journal of Exposure Science and Environmental Epidemiology		X
Journal of Geophysical Research		X
Journal of Occupational and Environmental Hygiene	X	X
Journal of Rheumatology		X
Journal of Toxicology and Environmental Health		X
Mathematical Biosciences		X
Mutation Research Journal	X	X
Neurotoxicology		X
Obstetrics and Gynecology		X
Polycyclic Aromatic Compounds		X
Regulatory Toxicology and Pharmacology	X	X
Reproductive Toxicology		X
Risk Analysis	X	X
Science of the Total Environment		X
Toxicology and Applied Pharmacology	X	X
Toxicological Sciences	X	X
Toxicology Mechanisms and Methods	X	X

## Invitational Presentations

Table 15

Year	Invited Speaker*/Lecturer/Instructor (2002-2007)
2002	6 <sup>th</sup> Dresden Symposium on Auto Antibodies, Dresden, Germany
2002	Association of State and Territorial Solid Waste Management Officials (ASTSWMO) Symposium on Fuel Oxygenates: Analysis, Assessment, and Remediation, Arlington, VA
2002	Biological Variability in Children and Implications for Environmental Risk Assessment; New Perspectives on the Roles of Ethnicity, Race and Gender
2002	DuPont Stine-Haskell Laboratories, Newark, DE
2002	EPA GIS Workgroup Meeting, New York, NY
2002	EPA-State-Tribal Risk Assessment Workshop
2002	Epidemiology of Arthritis and Rheumatic Diseases symposium, International Epidemiological Association meeting, Montreal, Canada
2002	First World Congress on Risk, Society for Risk Analysis, Brussels, Belgium
2002	Harvard Center for Continuing Professional Education Short Course on Risk Assessment
2002	Indo-U.S. Conference on Environmental Health in India supported by the Southeast Region of WHO and U.S. EPA
2002	International Society of Environmental Epidemiology annual meeting, Vancouver, Canada
2002	International Symposia on Halogenated Environmental Organic Pollutants, Barcelona, Spain
2002	ISEA/ISEE joint meeting, The Importance of Exposure Error in Interpreting Particulate Matter Epidemiology
2002	Maryland Governor's Commission on Environmental Justice and Sustainable Communities, Baltimore, MD
2002	National Cancer Institute, Bethesda, MD
2002	National Ground Water Association "Focus Conference on MTBE Assessment, Remediation, and Public Policy," Orange, CA
2002	Occupational Health Research Seminar Series, Harvard School of Public Health, Boston, MA
2002	<i>Proceedings of the Latin American Society of Environmental Toxicology and Chemistry IV</i> , Environmental and Human Health Risk Assessment: New Developments
2002	Regulatory Risk Assessment Course, School of Public Health, George Washington University, Washington, DC
2002	Society for the Study of Reproduction Annual Meeting, Baltimore, MD
2002	State of New Jersey Dept. of Environmental Protection, Division of Science, Research, and Technology, Trenton, NJ
2002	<i>Symposium and Panel discussion- Methanol- is it a developmental toxicant?</i> 28 <sup>th</sup> Annual Summer Toxicology Forum. Aspen, CO
2002	The 16 <sup>th</sup> Annual North American Cystic Fibrosis Conference, New Orleans, LA



Year	Invited Speaker*/Lecturer/Instructor (2002-2007)
2002	The U.S. EPA and Ukraine's ministry of Environment Environmental Capacity Building Program, Kyiv
2002	U.S. EPA Endocrine Disruptors Workshop: Program Review of the Extramural and Intramural Research, RTP, NC
2002	United Nations Environmental Program data evaluation workshop on the Asia Dioxin Toolkit Project, Bangkok, Thailand
2002	UW Department of Environmental Retreat, Seattle, WA
2002	Vietnam-United States Scientific Conference on Human Health and Environmental Effects of Agent Orange/Dioxin, Hanoi, Vietnam
2002	Visiting Pulmonary Scholars Program at Duke University, U.S. Environmental Protection Agency and the University of North Carolina at Chapel Hill, NC
2002	WHO Conference on Environmental Threats to the Health of Children, Hazards and Vulnerability, Bangkok, Thailand
2002	<i>Workshop on Assessment Endpoints for Environmental Protection</i> , Health Canada, Val Morin, Quebec
2002	<i>World Watershed Summit</i> , Washington, DC
2003	2003 Toxicology and Risk Assessment Conference; Dayton, OH
2003	23 <sup>rd</sup> International Symposium on Halogenated Environmental Organic Pollutants and POPs, Boston, MA (2)
2003	AVI Biopharma, Corvallis, OR
2003	Biology Department Junior/Senior Seminar, Bates College
2003	Course lecture, Modular Training Programme in Applied Toxicology, Reproductive Toxicology, University of Surrey, Guildford, UK
2003	Drinking Water Protection in Karst Terrain: A Groundwater Conference, Abington, VA
2003	FEPAM, Fundação Estadual de Proteção Ambiental, the state environmental agency of the state of Rio Grande do Sul, Brazil
2003	Harvard Center for Continuing Professional Education Short Course on Risk Assessment
2003	International Society of Environmental Epidemiology annual meeting, Perth, Australia
2003	International Society of Risk Analysis World Congress, Children's Environmental Health Issues, Brussels, Belgium
2003	National Coordinators of the US-Mexico Border 2012 program
2003	New York Academy of Medicine, New York, NY
2003	NIH Conference, The Menstrual Cycle and Bone Health
2003	OEI Annual Meeting, Scottsdale, AZ
2003	Oregon State University, Departments of Environmental and Molecular Toxicology and Biochemistry and Biophysics, Corvallis, OR
2003	<i>Project Fishnet International Expert Hearing</i> , Kastanienbaum, Switzerland

Year	Invited Speaker*/Lecturer/Instructor (2002-2007)
2003	Pulmonary Research Conference, Division of Pulmonary Diseases and Critical Care Medicine, School of Medicine, University of North Carolina, Chapel Hill, NC
2003	Regulatory Risk Assessment Course, School of Public Health, George Washington University, Washington, DC
2003	Research Triangle Chapter of the Society for Risk Analysis, Mini-symposium on Acute Guideline Values, RTP, NC
2003	“Step-Up-Now” (SUN) scholarship awards for Latino and Native American students at TC Williams High School, Alexandria, VA
2003	Toxicology Forum, Issues in Trichloroethylene Risk Assessment
2003	U.S. Geological Survey Karst Interest Group, Shepherdstown, WV
2003	University of North Carolina Department of Environmental Sciences and Engineering seminar, Chapel Hill, NC
2004	10 <sup>th</sup> <i>International Congress of Toxicology</i> , Tampere, Finland
2004	19 <sup>th</sup> Annual EPA Regional Risk Assessors Conference: Inhalation Dosimetry Session, Boston, MA
2004	Air and Waste Management Association, West Virginia Chapter, Charleston, WV
2004	Air Policy Forum for the US-Mexico Border Program
2004	American College of Nutrition annual meeting, Long Beach, CA
2004	Cairo University, Dept. of Astronomy and Meteorology, Cairo, Egypt
2004	Case-crossover Methods, Johns Hopkins School of Public Health
2004	<i>Contaminants and Ecological Risk Assessment</i> , Adelaide, Australia
2004	EnviroInfo 2004 – 18th International Conference on Informatics for Environmental Protection, Geneva, Switzerland
2004	EPA/CDC Research Group Meeting, Shepherdstown, WV – Workgroup Member
2004	Evolving Genetics and Genomics Conference: Human Genetic and Nongenetic Variation, Bangkok, Thailand
2004	Genetic and Molecular Epidemiology doctoral program, Karolinska Institute, Sweden
2004	Geological Society of America Annual Convention, Denver, CO
2004	Geological Society of America Northeast-Southeast Section Meeting, Alexandria, VA
2004	Growing Communities on Karst: Field Methods and Public Policy, Shepherdstown, WV
2004	Harvard Center for Continuing Professional Education Short Course on Risk Assessment
2004	Health Effects Institute Annual Conference, Boston, MA
2004	International Association for Environmental Information, Las Vegas, NV
2004	International Conference on Recent Advances in Benzene Toxicity Research, Munich, Germany

Year	Invited Speaker*/Lecturer/Instructor (2002-2007)
2004	Johns Hopkins Center for Talented Youth, University of Puget Sound, Tacoma, WA
2004	Laboratory of Experimental Pathology, National Institute of Environmental Health Sciences, Research Triangle Park, NC
2004	Meteorology, University of Budapest
2004	North Carolina Genomics Task Force Quarterly Meeting, RTP, NC – Workgroup Member
2004	Occupational Health Research Seminar Series, Harvard School of Public Health, Boston, MA
2004	Regional Hazardous Substances Technical Liaisons Meeting, Cincinnati, OH
2004	Regulatory Risk Assessment Course, School of Public Health, George Washington University, Washington, DC – Instructor
2004	<i>Sharing Experience of Human and Ecological Risk Assessment and Management in the Asia/Pacific Region</i> , Seoul, Korea
2004	SIAM Conference on the Life Sciences, Portland, OR
2004	Society for Automotive Engineers Annual Meeting, Washington, DC
2004	The Second Meeting of the Indo-U.S. Joint Working Groups – Environmental and Occupational Health – Organized by the CDC/HHS
2004	Time-series Methods for use in air pollution epidemiology, Johns Hopkins School of Public Health – Lecturer
2004	University of Michigan, School of Public Health Graduate Program, Ann Arbor, MI
2004	Workshop on <i>Internal Exposure – Linking Bioavailability to Effects</i> , Monte Verita, Switzerland
2004	WVU Lung Cancer Research Conference
2005	2005 Toxicology and Risk Assessment Conference; Dayton, OH (4)
2005	2 <sup>nd</sup> International. Sym. on Nanotechnology and Occupational Health
2005	20 <sup>th</sup> Annual EPA Regional Risk Assessors Conference, Kansas City, MO (3)
2005	22 <sup>nd</sup> International Neurotoxicology Conference –Environment and Neurodevelopmental Disorders, Research Triangle Park, NC
2005	45 <sup>th</sup> Annual Teratology Society meeting, Sunrise Mini-course, St. Pete Beach, FL
2005	92 <sup>nd</sup> Indian Science Congress, Ahmadabad, India
2005	Advanced Case-Crossover Methods and Applications in Air Pollution Epidemiology, Johns Hopkins School of Public Health
2005	Aerosol Technology (ENVR 416), School of Public Health, University of North Carolina, Chapel Hill, NC
2005	<i>Children's Environmental Health Network</i> , Washington, DC
2005	Collegium Ramazzini International Conference “Framing the Future in Light of the Past: Living in a Chemical World,” Bologna, Italy
2005	Concise International Chemical Assessment Documents and Workshop of Indian Priorities, World Health Organization – IPCS, Nagpur, India

Year	Invited Speaker*/Lecturer/Instructor (2002-2007)
2005	Conference on Systemic Autoimmune Rheumatic Diseases. A Research Forum on Lupus, Scleroderma, Sjögren's Syndrome, Myositis and Vasculitis. Toronto, Canada
2005	Course lectures, Modular Training Programme in Applied Toxicology, Reproductive Toxicology, University of Surrey, Guildford, UK
2005	<i>Decision Support Systems for Integration of Bioavailability in Ecological Risk Assessment</i> , Venice, Italy
2005	Estimating Water Input by Metasequoia into High-Latitude Eocene Paleoenvironments, Geological Society of America Annual Meeting, Salt Lake City, UT
2005	Facilitator, <i>International Workshop on the Risk Assessment of Marine Fish Aquaculture</i> , Manchester, WA
2005	Harvard Center for Continuing Professional Education Short Course on Risk Assessment
2005	International Perspectives on Air Quality: Risk Management Principles for Policy Development Symposium, Cuernavaca, Mexico
2005	International Symposium on Children's Environmental Health, Tokyo, Japan
2005	International Symposium on The Evaluation of Butadiene & Chloroprene Health Risks, Charleston, South Carolina
2005	Johns Hopkins Center for Talented Youth, University of Puget Sound, Tacoma, WA
2005	Leland Urban Air Toxics Research Center, Houston, TX
2005	National Academy of Sciences Committee on Trichloroethylene Health Risks – Committee Member
2005	National Forum on Contaminants in Fish, Baltimore, MD
2005	Nature's Detectives: Using Stable Isotopes to Understand Climate Change Impacts on Ecosystems, Department of Biology, Goucher College, Baltimore MD
2005	OPP/HED Training and Certification Program, Washington, DC
2005	<i>Probabilistic Risk Assessment – Bridging Components Along the Exposure-Dose-Response Continuum</i> , Washington, DC
2005	Radio telemetry User's Group Symposium, RTP, NC
2005	Society of Toxicology Symposium on Dietary Acrylamide - New or Ancient Risk, New Orleans, LA
2005	Society of Toxicology, "Developmental Toxicology" Continuing Education Course, New Orleans, LA
2005	Soil-Plant-Atmosphere Interactions: Paleoclimate, Sea-level Rise and CO <sub>2</sub> Recycling, Department of Earth and Planetary Sciences, Johns Hopkins, Baltimore MD

Year	Invited Speaker*/Lecturer/Instructor (2002-2007)
2005	Special Seminar Organized by the India International Center, Delhi of the Institute of Public Health Engineers, India in collaboration with the Central Pollution Control Board, Ministry of Environment & Forestry, Government of India
2005	Special Topics - Air Pollution, (ENST 100), University of North Carolina, Chapel Hill, NC (11)
2005	SRA annual meeting symposium, Data Utility in Microbial Risk Assessment
2005	University of Illinois, Department of Plant Biology and Crop Science
2005	WHO consultative group, Concise International Chemical Assessment Document (CICAD) on Tetrachloroethylene: Monk Wood, UK
2005	WHO International Conference: Healthy Environments, Healthy Children, Buenos Aires, Argentina (2)
2005	Workshop on the National Estimate of Waterborne Disease, Atlanta, GA
2006	American Chemistry Council Meeting on Advanced Risk Assessment
2006	2006 Inhalation Toxicology Conference –INES; Fraunhofer-Institut für Toxikologie und Experimentelle Medizin ITEM, Hannover, Germany
2006	4 <sup>th</sup> Conference on Molecular Mechanisms of Metal Toxicity and Carcinogenesis, Morgantown, WV
2006	Aerosol Technology (ENVR 416), School of Public Health, University of North Carolina, Chapel Hill, NC
2006	American Association for Laboratory Animal Science, Salt Lake City, UT
2006	Course lecture, Modular Training Programme in Applied Toxicology, Reproductive Toxicology, University of Surrey, Guildford, UK
2006	Dioxin Conference, Norway
2006	Environmental Mutagen Society, 37 <sup>th</sup> Annual Meeting, Vancouver, British Columbia, Canada
2006	Federal-State Toxicology and Risk Analysis Committee, Clearwater, FL
2006	Health Effects Institute Annual Conference, San Francisco, CA
2006	Indiana University's School of Public and Environmental Affairs' graduate student orientation, Bloomington, IN
2006	International Workshop on Uncertainty and Variability in Physiologically Based Pharmacokinetic (PBPK) Models, Research Triangle Park, NC
2006	Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
2006	Joint Meeting of the Environmental Health Committee and the Integrated Human Exposure Committee, USEPA Science Advisory Board
2006	National Academy of Sciences Use of Toxicogenomics to Understand Toxic Effects and Improve Risk Assessment, Washington, DC
2006	ORD Scientist to Scientist Workshop: Using Oxidative Stress Research in Human Health Risk Assessment, RTP, NC
2006	Symposium on the Aging Population as a Sensitive Subgroup, California Environmental Protection Agency, Pacific Grove, CA

Year	Invited Speaker*/Lecturer/Instructor (2002-2007)
2006	Technical Seminar Series, US Army Center for Health Promotion and Preventive Medicine, Aberdeen Proving Ground, MD
2006	The role of p53 in response to silica exposure: <i>in vitro</i> and <i>in vivo</i> response, University of Vermont
2006	U.S. EPA Workshop on <i>Interpretation of Epidemiologic Studies of Multipollutant Exposure and Health Effects</i> , Chapel Hill, NC
2006	University of Cincinnati. Introduction to Industrial Toxicology continuing professional education class, Cincinnati, OH
2006	University of Massachusetts Public Forum on Climate Change, Amherst, MA
2006	University of Massachusetts, Department of Civil and Environmental Engineering
2006	University of New Hampshire, Department of Civil and Environmental Engineering
2006	US Army Corps of Engineers workshop to develop <i>in silico</i> biomimetic toxicity sensors for rapid testing of water resources, MIT, Boston, MA
2007	2007 UCSF-CHE Summit on Environmental Challenges to Reproductive Health and Fertility, San Francisco, CA
2007	Air Pollution and Health Impact Workshop, Chittaranjan National Cancer Institute, Kolkata, India
2007	American Industrial Hygiene Association – Indiana Section, Indianapolis, IN
2007	Brominated Flame Retardants, Amsterdam, the Netherlands
2007	Climate Change Impacts on Coastal Ecosystems, Department of Biology, New York University at Buffalo, Buffalo, NY
2007	Concise International Chemical Assessment Documents, WHO-IPCS, Helsinki, Finland
2007	Cornell University, Program on Breast Cancer and Environmental Risk Factors, Cancer and Environment Forum
2007	Drexel University, Department of civil, Architectural, and Environmental Engineering
2007	Global Change Impacts on Terrestrial Dune Ecosystems, Department of Biology, Wake Forest University, Winston-Salem, NC
2007	International Society for Environmental Epidemiology 19th Annual Conference, Mexico City, Mexico
2007	International Workshop on Good Practice for Physiology Based Pharmacokinetic (PBPK) Modeling, Crete, Greece – Workshop Member
2007	ISEE Symposium, Overview of Health Effects Associated with Exposure to Lead
2007	Johns Hopkins University, Department of Geography and Environmental Engineering
2007	Workshop on Evaluating Adverse Upstream Endpoints for Improved Decision Making and Risk Assessment, Berkeley, CA

Year	Invited Speaker*/Lecturer/Instructor (2002-2007)
2007	North Carolina Science Advisory Board on Mode of Action for the Carcinogenicity of Acrylonitrile
2007	International Conference on Ecotoxicology & Environmental Sciences, Indian Institute of Chemical Engineers, Kolkata, India
2007	Risk Assessment Forum Genomics Training Course, Potomac Yards, Arlington, VA
2007	Risk Assessment Research Strategy for Nanomaterials, Seminar, Johns Hopkins University, School of Public Health, Baltimore, MD
2007	Second Workshop on Low Dose Effects of Chemicals with Special Consideration of Phthalates, Berlin, Germany
2007	SRA/SETAC Joint Regional Meeting, Argonne National Laboratory, Argonne, IL
2007	U.S. EPA Workshop on Assessment of Health Science for the Review of the NAAQS for Nitrogen and Sulfur Oxides, Durham, NC
2007	University of Kentucky, Lecture for Environmental and Occupational Epidemiology Graduate Level Course, Lexington, KY
2007	SRA/SETAC Regional Conference

## Participation at National and International Society Meetings 2002 – 2007

Table 16

National Society Meetings (Annual Meetings)	2002	2003	2004	2005	2006	2007
American Association for Aerosol Research		1				1
American Chemical Society National Meeting				4	8	
ASWIPCA Conference					2	
Environmental Mutagen Society					8	1
Health Effects Institute Annual Conference			1		1	1
National Advisory Committee for Acute Exposure Guideline Levels for Hazardous Wastes				1	1	1
Neurobehavioral Teratology Society					1	
Society for Conservation Biology					5	
Society for Epidemiologic Research				1		
Society for Risk Analysis (SRA)	4	11	11	39	37	28
Society of Toxicology (SOT)	9	15	15	21	53	44
Society for Toxicology and Chemistry						1
Teratology Society	1		2	4	4	1
Toxicology and Risk Assessment Conference	21	20	27	24	26	33



International Society Meetings and Conferences	2002	2003	2004	2005	2006	2007
Air and Waste Management Association					1	1
Collegium Ramazzini Conference				1		
International Society of Exposure Assessment and Environmental Epidemiology ( Joint Conference)	2	2	2			
International Society for Environmental Epidemiology	2	1				3
International Society of Exposure Analysis			2	5	12	9
International Symposium on Halogenated Environmental Organic Pollutants and Persistent Organic Pollutants (POPs)- Dioxin	1	1		2	2	
International Workshops	4			3	2	
International Symposia	1			2	3	
Organization For Economic Co-operation and Development (OECD) Conferences					3	
Pam-American Health Organization- Meetings and Conferences	1					
World Health Organization (WHO) Meetings and Conferences	2	1	3	4	2	2